

☐ UNCLASSIFIED☐ INTERNAL  
USE ONLY☐ CONFIDENTIAL☐ SECRET

## ROUTING AND RECORD SHEET

SUBJECT: (Optional)

SPeaking and Chairing Sessions at the SHARE 61 Conference

STAT

FROM:

D/ODP

2D0105 HQS

EXTENSION

NO.

ODP-83-1027

DATE

STAT

TO: (Officer designation, room number, and building)

DATE

OFFICER'S  
INITIALS

COMMENTS: (Number each comment to show from whom to whom. Draw a line across column after each comment.)

RECEIVED

FORWARDED

1.

DDA

7D 18 HQS

*Added to DDA (Ex 4)  
on 8/11/83 at 9:40 AM  
Jai*

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*Sent to DDA 8/12/83 (12/83)*

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FORM  
3-62

610

USE PREVIOUS  
EDITIONS☐ SECRET☐ CONFIDENTIAL☐ INTERNAL  
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D/ODP

ODP 83-1027  
5 August 1983

MEMORANDUM FOR: Deputy Director for Administration

VIA: Chief, Interactive Systems Branch  
Chief, Systems Programming Division  
Deputy Director for Processing, ODP  
Director of Data ProcessingFROM: [REDACTED] STAT  
Interactive Systems Branch, SPD/ODPSUBJECT: Speaking and Chairing Sessions at the  
SHARE 61 Conference [REDACTED] STAT

1. I request permission to appear before a non-Government group as provided for in [REDACTED] STAT

2. When approved, I will speak in three panel discussions and chair another session at the SHARE 61 Conference in New York City during the week of 21 August. I will be attending the conference as a representative of the Agency and I am serving as the Deputy Manager of the VM/System Management Project within the SHARE organization. The audiences are expected to be comprised of up to 300 persons from the United States and Canada representing organizations running large IBM computers. The meetings will be held in the Sheraton Centre; the risk to employee safety is minimal. Members of the press are barred from attending sessions at this conference.

3. None of the material to be discussed is classified or controversial. In the first panel discussion, I will describe the technical considerations involved when sharing online storage among multiple computing systems. During the second panel discussion, I will describe our experiences as part of an early support program for a new piece of IBM hardware. In the third panel discussion, I will describe the costs and benefits of participation in a scientific consortium such as SHARE. I will also chair an administrative meeting.

- a. Multiple VM Systems Sharing DASD. Users from installations that share direct access storage devices among multiple interactive computer systems will discuss the technical problems encountered.

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- b. 3088 User Experience. Early users of a new IBM device that allows very high bandwidth communications between host computers will describe their experiences as part of the test program. Other Agency attendees may also be present and participate in the discussion.
- c. The Rewards of VM Group Participation. Officers of SHARE will describe how participation in the VM Group can enhance the effectiveness of systems professionals.
- d. VM/SMP Working Session. The status of the formal dialog between SHARE and IBM regarding management of VM/CMS computer systems will be reviewed.

The Agency runs the largest VM/CMS computer system in the world. It is through the visibility we enjoy in organizations such as SHARE that we are able to attract skilled computer scientists to the Agency, as well as to influence the decisions of the computer vendors upon whom we are dependent.

4. I  will be identified as an Agency employee.

STAT

Attachments

**SUBJECT:** Speaking and Chairing Sessions at the  
SHARE 61 Conference

STAT

**CONCUR:**

STAT

Director of Data Processing *[Signature]*

10 AUG 1983

Date

**APPROVED:**

*for* Deputy Director for Administration

11 1983

Date

ODP/P/SPD/ISB/ 08-05-83/EXREQ83K

STAT

**Distribution:**

Original - To be returned to originator

2 - DDA

2 - D/ODP

1 - D/PAO

1 - C/EAB/SSD/OS w/Form 879

2 - ODP Registry

1 - DD/P Chronos

1 - SPD Chronos

1 - VM/SP Project

## Attachments

### Multiple VM Systems Sharing DASD

- A. Directory  
A decision must be made regarding the use of a single or multiple object directories. Performance may dictate multiple object directories which may require additional "back-end" software to keep the directories synchronized.
- B. User file sharing (e.g. CMS)  
The installation must decide if it will allow a user (as defined by the 8-character userid) to logon to only one, or up to 'n' systems. The handling of user file sharing will be dependent on this decision as well as the decision regarding the directory. Modifications may have to be made to the SCP in support of these decisions. One possible approach is a "lock" file on the disk in question. Another approach is to have some sort of service virtual running on the 'n' participating processors and communicating either via CTC/3088 or via a file on the shared disk. Both of these approaches require supporting SCP modifications. An alternative approach which does not require modifications is to incorporate file sharing into the directory scheme. One way to do this is to define a home system for the user and program the directory tools in such a way that that user's MDISKS are only accessible in write mode (to that or any other user) on the user's home system. This has the disadvantage of being very inflexible.
- C. Spool file sharing  
One of the more complicated aspects of VM systems sharing DASD is what to do about the CP files. One approach is to have a "home" system defined for a user and provide a service virtual to transfer spool files periodically across the systems (via RSCS, for example). This approach requires no modifications to the SCP. Another approach is to modify the SCP in some fashion to communicate on a demand basis the need for files to be shipped (physically or logically) from one system to another.

### 3088 User Experience

The CIA participated in the Early Support Program for the 3088 Multi-System Communication Unit. We will relate our experience and concerns in the following areas:

A. Hardware

Very reliable - "Maytag (TM)" syndrome

B. Software

1. MVS/JES3 - No changes required.
2. VM - Requires VM17836 announced for VM SP Release 2 and VM SP Release 2 with HPO. We run VM SP Release 1 with HPO 2.5.

C. Kudos/Razzes

1. Unit is BMX and data streaming (if channels permit) and thus can be put on channels with other devices. We have 3088 connections on channels with DASD, tape, 327x and have had no problems.
2. A 3MB CTC device is marvelous! Greatly facilitates VM/JES communication and networking.
3. Cable lengths (400') are a little too restrictive.
4. Addressing is difficult to understand and manage. The enhanced connectivity provided by the 3088 creates needs for software enhancements not previously recognized.

### The Rewards of VM Group Participation

#### A. Chairing Sessions

1. Requires no commitment to SHARE beyond one meeting.
2. Typically requires little preparation or work outside SHARE.
3. Helps assure attendance at SHARE.
4. Guarantees a seat at even the most well attended session.
5. Allows one-on-one contact with a speaker to whom you may not normally have access (either IBM or other SHARE member).
6. Usually guarantees access to the material presented well before the Proceedings are published.
7. Allows you to "give back" something to SHARE.

#### B. Project Activities

1. Requires longer-term commitment to SHARE, either through meeting attendance or active participation in VM SHARE.
2. Requires work/preparation outside SHARE.
3. Facilitates on-going contact with IBM and other SHARE attendees which may have benefit to the day-to-day operation of your data center.
4. Assures that your installation's viewpoint can be expressed both via the requirements process and in the sessions presented at the SHARE meetings.
5. Allows attendance at "closed" project meetings.

#### C. Career Possibilities

1. SHARE is a volunteer organization.
2. Management of a large organization such as SHARE allows one to gain managerial experience at relatively low risk to the member installation.
3. Provides good technical training at relatively modest expense.
4. Allows one to develop "public speaking" skills and gain comfort in being in front of a group.

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